

VOS Report for 2011 United States of America

| a. Programme description: | | | | |
|----------------------------------|--|---------------------------------|------------------------------------|-----------------|
| Category | No. of ships at 31 Dec 2011 | Recruitments in 2011 | De-recruitments In 2011 | Comments |
| <i>Selected</i> | 272 | 4 | 107 | |
| <i>Selected AWS</i> | 26 | 0 | 2 | |
| <i>VOSclim</i> | 0 | 0 | 0 | |
| <i>VOSclim AWS</i> | 0 | 0 | 0 | |
| <i>Supplementary</i> | 368 | 57 | 138 | |
| <i>Supplementary AWS</i> | 3 | 1 | 0 | |
| <i>Auxiliary</i> | 82 | 26 | 101 | |
| <i>Auxiliary AWS</i> | 0 | 1 | 0 | |
| <i>Other</i> | 3 | 3 | 44 | |
| National VOS Total | 755 | | | |
| National VOS Target | 900 | | | |
| National VOSclim Target | 50 | | | |

| b. Data management: | |
|---|-----------|
| Total number of ship observations (BBXX) distributed on the GTS in 2011 | 460,098 |
| Frequency of VOS data submitted to the GCC in 2011 | Quarterly |

| c. Shipboard Automatic Weather System | | | | |
|--|-----------------------------|-----------------------|-----------------|---|
| Type | No. of ships at 31 Dec 2011 | Manual Input Yes / No | Method of Comms | 2012 Planned installations |
| NOAA SCS (Science Computing System) (developed by Alaska Region) | 3 | No | VSAT EMAIL | Converting these to SEAS for augment capability |
| NOAA SCS (Science Computing System) via SEAS E- Logbook | 12 | Yes | VSAT EMAIL | |
| Non NOAA (developed by Alaska Region) | 7 | No | EMAIL | |
| Ship Developed and implemented system | 5 | Yes | EMAIL | |
| | | | | |
| | 27 | | | |

| d. Electronic logbooks: (TurboWin, SEAS, OBSJMA) | | |
|---|-----------------------------|---|
| Software & version | No. of ships at 31 Dec 2011 | Implementation plans |
| AmverSEAS 8.0 | 689 | Once SEAS 9.0 is complete, plan to upgrade as many ships as possible. |
| AmverSEAS versions earlier than 8.0 | 33 | |
| Turbowin 4.5 | 5 | |
| | | |
| | | |

e. Major challenges and difficulties:

- Management team was reduced to 1 person for most of 2010.
- Recruiting ships into VOSCLIM, meeting VOSCLIM requirements, expect to be able to start recruiting more with SEAS 9.0
- Keeping ships engaged and participating after crew changes
- Transition to BUFR
- tracking and contacting ships submitting inaccurate observations
- Populating IVOS ship records with Pub47 metadata

f. Research / development / testing:

New SEAS version 9.0 is complete. IMMT IV compliant and in the final testing stages. New features include:

- IMMT IV
- ability to document and send Pub 47 metadata

g. Other comments:

PMOs completed 3 day port safety and awareness training.